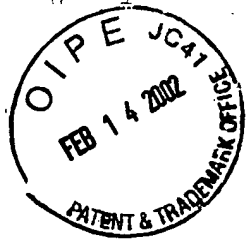


16 10



Case No.: 00-653-A

**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO AND USES THEREFOR

the specification of which is attached hereto unless the following space is checked:

☒ was filed on August 10, 2001, as United States Application Serial Number 09/927,777.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

	<u>Number</u>	<u>Country</u>	<u>Day/Month/Year Filed</u>
1.			

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

	<u>Application Number</u>	<u>Filing Date</u>
1.	60/031,809	07/29/1996
2.	60/176,409	01/13/2000
3.	60/192,699	03/28/2000
4.	60/200,161	04/26/2000
5.	60/213,906	06/26/2000
6.	60/224,631	08/11/2000
7.	60/254,392	12/08/2000
8.	60/255,235	12/11/2000

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

	<u>Application Number</u>	<u>Filing Date</u>	<u>Status: patented, pending, abandoned</u>
1.	09/820,259	03/28/2001	Pending
2.	09/760,500	01/12/2001	Pending
3.	09/603,830	06/26/2000	Pending
4.	09/344,667	06/25/1999	Pending
5.	09/240,755	01/29/1999	Pending
6.	PCT/US97/12783	07/21/1997	Entered national phase

I hereby appoint the following attorneys and agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Denis A. Berntsen	Reg. No. 26707	Patrick G. Gattari	Reg. No. 39682
John J. McDonnell	Reg. No. 26949	Jeremy Noe	Reg. No. 40104
Daniel A. Boehnen	Reg. No. 28399	Sean M. Sullivan	Reg. No. 40191
Bradley J. Hulbert	Reg. No. 30130	Timothy R. Baumann	Reg. No. 40502
Paul H. Berghoff	Reg. No. 30243	Anir N. Penn	Reg. No. 40767
Grantland G. Drutchas	Reg. No. 32565	Joshua R. Rich	Reg. No. 41269
Steven J. Sarussi	Reg. No. 32784	Thomas E. Wettermann	Reg. No. 41523
David M. Frischkorn	Reg. No. 32833	Vernon W. Francissen	Reg. No. 41762
James C. Gumina	Reg. No. 32898	Richard A. Machonkin	Reg. No. 41962
A. Blair Hughes	Reg. No. 32901	David S. Harper	Reg. No. 42636
Thomas A. Fairhall	Reg. No. 34591	Edward K. Runyan	Reg. No. 43067
Emily Miao	Reg. No. 35285	Lisa M.W. Hillman	Reg. No. 43637
Kevin E. Noonan	Reg. No. 35303	Stephen Lesavich	Reg. No. 43749
Leif R. Sigmond, Jr.	Reg. No. 35680	Enrique Perez	Reg. No. 43853
Lawrence H. Aaronson	Reg. No. 35818	Marcus J. Thymian	Reg. No. 43954
Matthew J. Sampson	Reg. No. 35999	Paul S. Tully	Reg. No. 44377
Curt J. Whitenack	Reg. No. 36054	S. Richard Carden	Reg. No. 44588
Christopher M. Cavan	Reg. No. 36475	Mark L. Chael (agent)	Reg. No. 44601
Michael S. Greenfield	Reg. No. 37142	Stephen H. Docter	Reg. No. 44659
Roger P. Zimmerman	Reg. No. 38670	Raafat M. Shaltout (agent)	Reg. No. 45092
Anthoula Pomrening	Reg. No. 38805	Anita J. Terpstra	Reg. No. 47132
George I. Lee	Reg. No. 39269	Galina M. Yakovleva	Reg. No. 47192
James M. McCarthy	Reg. No. 39296	Themi Anagnos	Reg. No. 47388
		Monika Dudek (agent)	Reg. No. P47538

Address all telephone calls to Emily Miao at (312) 913-0001.

Address all correspondence to MCDONNELL BOEHNEN HULBERT & BERGHOFF, 300 South Wacker Drive, Chicago, Illinois 60606 USA.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: Chad A. Mirkin

Inventor's signature: 

Date: 02/05/2002

Residence: Wilmette, Illinois

Citizenship: United States of America

Post Office Address: 111 16th Street, Wilmette, Illinois 60091

Full name of second joint inventor: Robert L. Letsinger

Inventor's signature: _____

Date: _____

Residence: Wilmette, Illinois

Citizenship: United States of America

Post Office Address: 316 Third Street, Wilmette, Illinois 60091

Full name of third joint inventor: Robert C. Mucic

Inventor's signature: _____

Date: _____

Residence: Glendale, California

Citizenship: United States of America

Post Office Address: 1600 Bel Aire Drive, Glendale, California 91201

Full name of fourth joint inventor: James J. Storhoff

Inventor's signature: _____

Date: _____

Residence: Evanston, Illinois

Citizenship: United States of America

Post Office Address: 2121 Ridge Avenue, Apt. 2J, Evanston, Illinois 60201

Full name of first inventor: Chad A. Mirkin

Inventor's signature: _____

Date: _____

Residence: Wilmette, Illinois

Citizenship: United States of America

Post Office Address: 111 16th Street, Wilmette, Illinois 60091

Full name of second joint inventor: Robert L. Letsinger

Inventor's signature: _____

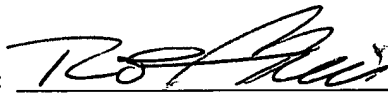
Date: _____

Residence: Wilmette, Illinois

Citizenship: United States of America

Post Office Address: 316 Third Street, Wilmette, Illinois 60091

Full name of third joint inventor: Robert C. Mucic

Inventor's signature:  _____

Date: Jan 21, 2002

Residence: Glendale, California

Citizenship: United States of America

Post Office Address: 1600 Bel Aire Drive, Glendale, California 91201

Full name of fourth joint inventor: James J. Storhoff

Inventor's signature: _____

Date: _____

Residence: Evanston, Illinois

Citizenship: United States of America

Post Office Address: 2121 Ridge Avenue, Apt. 2J, Evanston, Illinois 60201

Full name of first inventor: Chad A. Mirkin

Inventor's signature: _____

Date: _____

Residence: Wilmette, Illinois

Citizenship: United States of America

Post Office Address: 111 16th Street, Wilmette, Illinois 60091

Full name of second joint inventor: Robert L. Letsinger

Inventor's signature: Robert L. Letsinger

Date: 2/12/02

Residence: Wilmette, Illinois

Citizenship: United States of America

Post Office Address: 316 Third Street, Wilmette, Illinois 60091

Full name of third joint inventor: Robert C. Mucic

Inventor's signature: _____

Date: _____

Residence: Glendale, California

Citizenship: United States of America

Post Office Address: 1600 Bel Aire Drive, Glendale, California 91201

Full name of fourth joint inventor: James J. Storhoff

Inventor's signature: _____

Date: _____

Residence: Evanston, Illinois

Citizenship: United States of America

Post Office Address: 2121 Ridge Avenue, Apt. 2J, Evanston, Illinois 60201

Full name of first inventor: Chad A. Mirkin

Inventor's signature: _____
Residence: Wilmette, Illinois
Citizenship: United States of America
Post Office Address: 111 16th Street, Wilmette, Illinois 60091

Date: _____

Full name of second joint inventor: Robert L. Letsinger

Inventor's signature: _____
Residence: Wilmette, Illinois
Citizenship: United States of America
Post Office Address: 316 Third Street, Wilmette, Illinois 60091


Date: _____

Full name of third joint inventor: Robert C. Mucic

Inventor's signature: _____
Residence: Glendale, California
Citizenship: United States of America
Post Office Address: 1600 Bel Aire Drive, Glendale, California 91201

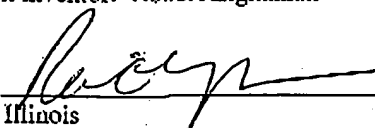
Date: _____

Full name of fourth joint inventor: James J. Storhoff

Inventor's signature: 
Residence: Evanston, Illinois
Citizenship: United States of America
Post Office Address: ~~2121 Ridge Avenue, Apt. 2J~~, Evanston, Illinois ~~60201~~
610 Michigan Avenue, Apt. 3 60202

Date: 01/28/02

Full name of fifth joint inventor: Robert Elghanian

Inventor's signature: 

Date: 02-11-02

Residence: Chicago, Illinois

Citizenship: United States of America

Post Office Address: 4935 West Louis Avenue, Apt. 2, Skokie, Illinois 60077

Full name of sixth joint inventor: Thomas A. Taton

Inventor's signature: _____

Date: _____

Residence: Little Canada, MN

Citizenship: United States of America

Post Office Address: 2389 Greenbrier Circle, Little Canada, MN 55117

Full name of seventh joint inventor: Viswanadham Garimella

Inventor's signature: _____

Date: _____

Residence: Evanston, Illinois

Citizenship: United States of America

Post Office Address: 1915 Maple, Evanston, IL 60201

Full name of eighth joint inventor: Zhi Li

Inventor's signature: _____

Date: _____

Residence: Evanston, Illinois


Citizenship: United States of America

Post Office Address: 911 Sherman Avenue, Apt. 307, Evanston, Illinois 60202

Full name of fifth joint inventor: Robert Elghanian

Inventor's signature: _____ Date: _____
Residence: Chicago, Illinois
Citizenship: United States of America
Post Office Address: 4935 West Louis Avenue, Apt. 2, Skokie, Illinois 60077

Full name of sixth joint inventor: Thomas A. Taton

Inventor's signature:  Date: 1/20/02
Residence: Little Canada, MN
Citizenship: United States of America
Post Office Address: 2389 Greenbrier Circle, Little Canada, MN 55117

Full name of seventh joint inventor: Viswanadham Garimella

Inventor's signature: _____ Date: _____
Residence: Evanston, Illinois
Citizenship: United States of America
Post Office Address: 1915 Maple, Evanston, IL 60201

Full name of eighth joint inventor: Zhi Li

Inventor's signature: _____ Date: _____
Residence: Evanston, Illinois
Citizenship: United States of America
Post Office Address: 911 Sherman Avenue, Apt. 307, Evanston, Illinois 60202

Full name of fifth joint inventor: Robert Elghanian

Inventor's signature: _____ Date: _____
 Residence: Chicago, Illinois
 Citizenship: United States of America
 Post Office Address: 4935 West Louis Avenue, Apt. 2, Skokie, Illinois 60077

Full name of sixth joint inventor: Thomas A. Taton

Inventor's signature: _____ Date: _____
 Residence: Little Canada, MN
 Citizenship: United States of America
 Post Office Address: 2389 Greenbrier Circle, Little Canada, MN 55117

Full name of seventh joint inventor: Viswanadham Garimella

Inventor's signature: Viswanadham Garimella Date: 01/25/2002
 Residence: Evanston, Illinois
 Citizenship: ~~United States of America~~ India
 Post Office Address: 1915 Maple, Evanston, IL 60201

Full name of eighth joint inventor: Zhi Li

Inventor's signature: _____ Date: _____
 Residence: Evanston, Illinois
 Citizenship: United States of America
 Post Office Address: 911 Sherman Avenue, Apt. 307, Evanston, Illinois 60202

Full name of fifth joint inventor: Robert Elghanian

Inventor's signature: _____

Date: _____

Residence: Chicago, Illinois

Citizenship: United States of America

Post Office Address: 4935 West Louis Avenue, Apt. 2, Skokie, Illinois 60077

Full name of sixth joint inventor: Thomas A. Taton

Inventor's signature: _____

Date: _____

Residence: Little Canada, MN

Citizenship: United States of America

Post Office Address: 2389 Greenbrier Circle, Little Canada, MN 55117

Full name of seventh joint inventor: Viswanadham Garimella

Inventor's signature: _____

Date: _____

Residence: Evanston, Illinois

Citizenship: United States of America

Post Office Address: 1915 Maple, Evanston, IL 60201

Full name of eighth joint inventor: Zhi Li

Inventor's signature:  _____

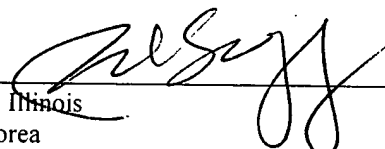
Date: 04/02/2002

Residence: Evanston, Illinois

Citizenship: United States of America

Post Office Address: 911 Sherman Avenue, Apt. 307, Evanston, Illinois 60202

Full name of ninth joint inventor: So-Jung Park

Inventor's signature: 

Date: 02/05/2002

Residence: Evanston, Illinois

Citizenship: South Korea

Post Office Address: 800 Custer Avenue, Apt. #3H, Evanston, Illinois 60202